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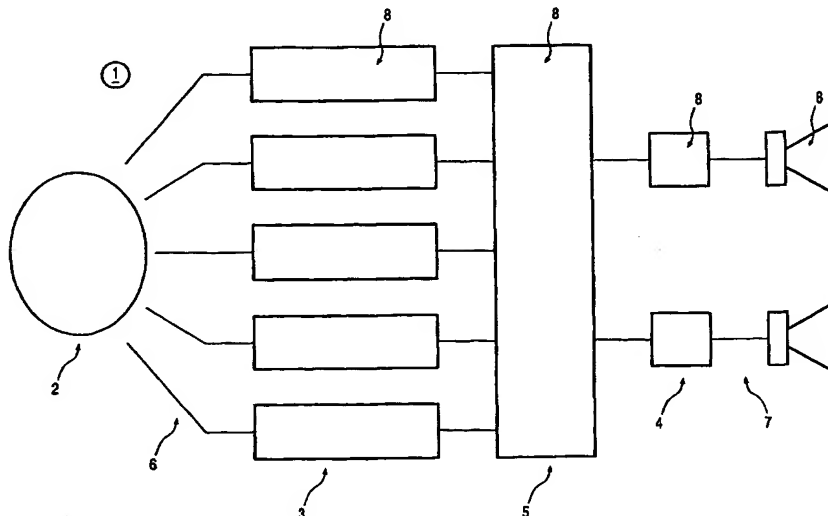
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(54) Title: MIXING SYSTEM FOR MIXING OVERSAMPLED DIGITAL AUDIO SIGNALS



(57) Abstract: A mixing system for mixing a plurality of digital audio signals, at least one of which is a noise-shaped oversampled digital audio signal having a predetermined sampling frequency and bit resolution, said system comprising: a summing unit for computing a sum signal of said plurality of input signals; a clipping unit having an input for receiving said sum signal, said clipping unit clipping said sum signal; further comprising a filter unit between the input terminals and the clipping unit, arranged to selectively suppress frequency components outside an audio frequency band from the sum signal; and a converter unit arranged to receive a clipped sum signal from the clipping unit and to convert said clipped sum signal into an output signal of said bit resolution, using noise-shaping, the clipping unit being arranged to limit the input values to a range of values that the converter is able to handle in a stable manner.

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